Lytex 9063FR

Epoxy; Epoxide

Quantum Composites Inc.

Message:

Lytex 9063FR is a high performance, glass fiber reinforced epoxy sheet molding compound designed for military and aerospace structural applications requiring excellent mechanical properties, retention of properties at elevated temperatures, good chemical resistance and excellent electrical properties. Lytex 9063FR is a flame retarded version of Lytex 9063. Its use should be considered when a high level of flame retardancy is required for the molded component.

General Information			
Filler / Reinforcement	Glass Fiber,58% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant Good Chemical Resistance Good Electrical Properties		
Uses	Aerospace Applications Military Applications		
Appearance	Black		
Forms	SMC - Sheet Molding Compound		
Processing Method	Compression Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.87	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Water Absorption (24 hr)	0.080	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Barcol Hardness	67		ASTM D2583
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	193	MPa	ASTM D638
Flexural Modulus	16500	MPa	ASTM D790
Flexural Strength	414	MPa	ASTM D790
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	302	°C	ASTM D648
Continuous Use Temperature	177	°C	ASTM D794
Thermoset	**Nominal Value**	**Unit**	
Shelf Life (-12°C)	26	wk	
Demold Time (138°C)	5.0 to 10	min	

Recommended distributors for this material

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